Amendments to the Claims:

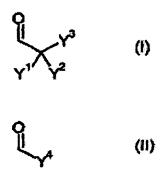
The following listing of claims will replace all prior versions, and listings, of claims in the application:

(Original) Two-component polyurethane composition consisting of a first component A
 comprising

at least one polyurethane prepolymer A1 with isocyanate end groups, synthesized from at least one polyisocyanate and at least one polyol and a second component B comprising

water

as well as at least one polyaldimine B1, which can be obtained from at least one polyamine PA with aliphatic primary amino groups and at least one low-odor aldehyde ALD as in formula (I) or formula (II),



where Y1 and Y2

either

each independently represent on the one hand a hydrogen atom, a hydroxyl group, or an organic residue;

or

together represent a carbocyclic or heterocyclic ring, having a ring size between 5 and 8 atoms, preferably 6 atoms;

and Y3

either

stands for a substituted or unsubstituted alkyl group having at least one hetero atom;

or

stands for a branched or unbranched alkyl or alkylene group with at least 10 C atoms;

or

stands for a substituted or unsubstituted aryl or arylalkyl group;

or

stands for O—R¹ or O-C-R¹ or C-O-R¹ or C-R¹, wherein R¹ stands for an aryl, arylalkyl, or alkyl group with at least 3 C atoms and in each case is substituted or unsubstituted;

and Y4

either

stands for a substituted or unsubstituted aryl or heteroaryl group, having a ring size between 5 and 8 atoms, preferably 6 atoms;

or

or stands for $C=R^2$, with R^2 = alkyl, hydroxyl, or alkoxy;

or

stands for a substituted or unsubstituted alkenyl or arylalkenyl group with at least 6 C atoms.

- 2. (Currently Amended) Two-component polyurethane composition as in Claim 1, eharacterized in that—wherein the heteroatom in Y³ is present in the form of an ether oxygen or a carboxyl, ester, or hydroxyl group.
- 3. (Currently Amended) Two-component polyurethane composition as in

 Claim 1-or Claim 2, characterized in that wherein the aldehyde ALD has formula (III),

where R³ and Y⁵ each independently stand for a hydrogen atom or for an alkyl or arylalkyl group.

4. (Currently Amended) Two-component polyurethane composition as in

Claim 1-or Claim 2, characterized in that wherein the aldehyde ALD has formula (IV),

wherein

R³ stands for a hydrogen atom or for an alkyl or arylalkyl group, and Y⁶ either

represents a hydrogen atom;

or

represents an alkyl or arylalkyl or aryl group, which optionally has at least one hetero atom, optionally contains at least one carboxyl group, and optionally contains at least one ester group;

or

or represents a monounsaturated or polyunsaturated, linear or branched hydrocarbon chain.

5. (Currently Amended) Two-component polyurethane composition as in Claim 4, <u>characterized in that wherein R³ stands for a hydrogen atom, and</u>

 Y^6

either

stands for a linear or branched alkyl chain with 11 to 30 carbon atoms, optionally with at least one hetero atom, in particular with at least one ether oxygen;

or

stands for a monounsaturated or polyunsaturated linear or branched hydrocarbon chain with 11 to 30 carbon atoms;

or

stands for a residue of formula (V) or (VI),

wherein

R⁴ either

stands for a linear or branched or cyclic alkylene chain with 2 to 16 carbon atoms, optionally with at least one hetero atom, in particular with at least one ether oxygen;

or

stands for a monounsaturated or polyunsaturated, linear or branched or cyclic hydrocarbon chain with 2 to 16 carbon atoms;

and

R⁵ stands for a linear or branched alkyl chain with 1 to 8 carbon atoms.

- 6. (Currently Amended) Two-component polyurethane composition as in-any one of Claims 4 or 5 claim 4, characterized in that wherein the aldehyde ALD used to synthesize the polyaldimine can be obtained by means of an esterification reaction between a βhydroxyaldehyde and a carboxylic acid, in particular without use of a solvent, where the β-hydroxyaldehyde is synthesized, optionally in situ, from formaldehyde or paraformaldehyde and a second aldehyde.
- 7. (Currently Amended) Two-component polyurethane composition as in Claim 6, eharacterized in that wherein the aldehyde ALD used to synthesize the polyaldimine can be obtained by means of an esterification reaction between 3-hydroxypivalaldehyde and a carboxylic acid, in particular without use of a solvent, where the 3-hydroxypivalaldehyde is synthesized, optionally *in situ*, from formaldehyde or paraformaldehyde and isobutyraldehyde.
- 8. (Currently Amended) Two-component polyurethane composition as in

Claim 6 or Claim 7, characterized in that wherein the carboxylic acid used to synthesize the aldehyde ALD is selected from the group including lauric acid, myristic acid, palmitic acid, stearic acid, oleic acid, linoleic acid, linolenic acid, succinic acid,

adipic acid, azelaic acid, and sebacic acid, mixtures thereof, and their industrial mixtures with fatty acids.

- 9. (Currently Amended) Two-component polyurethane composition as in any of the $\frac{1}{1}$ preceding claims claim 1, characterized in that wherein $Y^1 = Y^2 = \text{methyl}$.
- 10. (Currently Amended) Two-component polyurethane composition as in Claim 1-or Claim 2, eharacterized in that wherein the aldehyde ALD has formula (I) and Y¹ stands for a hydroxyl group, Y² stands for a hydrogen atom, and Y³ stands for an alkyl group with at least one hydroxyl group, in particular with more than one hydroxyl group.
- 11. (Currently Amended) Two-component polyurethane composition as in-any one of the preceding claims claim 1, characterized in that wherein the polyamine PA with aliphatic primary amino groups is selected from the group consisting of 1,6-2,2,4-MPMD, DAMP, and 2,4,4hexamethylenediamine, trimethylhexamethylenediamine, 4-aminomethyl-1,8-octanediamine, IPDA, 1,3- and 1,4-xylylenediamine, 1,3and 1,4-bis(aminomethyl)cyclohexane, bis(4bis(4-amino-3-methylcyclohexyl)methane, 3(4),8(9)aminocyclohexyl)methane, bis(aminomethyl)tricyclo[5.2.1.0^{2,6}]decane, 1,2-, 1,3- and 1,4-diaminocyclohexane, polyoxyalkylene 1,4-diamino-2,2,6-trimethylcyclohexane, polyamines with theoretically two or three amino groups, in particular Jeffamine® EDR-148, Jeffamine® D-230, Jeffamine® D-400 and Jeffamine® T-403, as well as mixtures of two or more of the aforementioned polyamines.

- 12. (Currently Amended) Two-component polyurethane composition as in any one of the preceding claimsclaim 1, characterized in that wherein for synthesis of the polyaldimine B1, the aldehyde ALD is used in stoichiometric proportion or in stoichiometric excess relative to the primary amino groups of the polyamine PA.
- 13. (Currently Amended) Two-component polyurethane composition as in any of the preceding claims laim 1, characterized in that wherein the water in the second component B is present in free form or is reversibly bound to a carrier.
- 14. (Currently Amended) Two-component polyurethane composition as in-any one of the preceding claims claim 1, characterized in that wherein the second component **B** has at least one water molecule per aldimine group.
- 15 (Currently Amended) Two-component polyurethane composition as in-any one of the preceding claims l, characterized in that wherein the polyol for synthesis of the polyurethane prepolymer A1 of the first component A has an average number of OH groups equal to 1.6 to 3.
- 16. (Original) Two-component polyurethane composition as in Claim 15, characterized in that wherein the polyol is a polyoxyalkylene polyol, in particular a polyoxyalkylene diol or triol, in particular a polyoxypropylene diol or triol or an EO-endcapped polyoxypropylene diol or triol.
- 17. (Currently Amended) Two-component polyurethane composition as in Claim 15-or Claim 16, characterized in that wherein the polyol is a polyoxyalkylene polyol with a

degree of unsaturation < 0.02 meq/g and a molecular weight M_n from 1000 to 30 000 g/mol.

- 18. (Currently Amended) Two-component polyurethane composition as in Claim 17, eharacterized in that wherein the polyol is a polyol synthesized by means of DMC catalysis.
- 19. (Currently Amended) Two-component polyurethane composition as in any one of the preceding claims claim 1, characterized in that wherein the polyurethane prepolymer A1 in the first component A and the polyaldimine B1 in the second component B are present in a ratio from 0.1 to 0.99, in particular from 0.4 to 0.8 equivalents of aldimine groups per equivalent of isocyanate groups.
- 20. (Currently Amended) Method for mixing a two-component polyurethane composition as in any one of Claims 1 to 19claim 1, characterized in that whrein the first component
 A and the second component B are blended by essentially uniform mixing.
- 21. (Currently Amended) Method for mixing a two-component polyurethane composition as in any one of Claims 1 to 19 claim 1, characterized in that wherein the first component
 A and the second component B are blended by essentially laminar mixing.
- 22. (Currently Amended) Method for mixing as in Claim 20 or Claim 21, characterized in that wherein the mixing of the two components A and B is carried out by means of a dispensing attachment containing two interlocking dispensing rotors, as well as in

addition optionally by means of a static mixer mounted at the outlet of this dispensing attachment.

- 23. (Currently Amended) Method for application of a two-component polyurethane composition as in-any one of Claims 1 to 19 claim 1, characterized in that wherein it includes the following steps:
 - Mixing of the two components A and B
 - Making contact between at least one solid surface and the mixed polyurethane composition
 - Curing the mixed polyurethane composition.
- 24. (Currently Amended) Method for application as in Claim 23, eharacterized in that wherein the contact with the solid surface is made by applying a bead to the surface.
- 25. (Currently Amended) Use of a two-component polyurethane composition as in any one of Claims 1 to 19 claim 1 as an adhesive, sealant, or surfacing, in particular as an adhesive or sealant.
- 26. (Currently Amended) Article which is tightly bonded with a mixed and cured twocomponent polyurethane composition as in any one of Claims 1 to 19 claim 1.